

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions and listings.

1. (Currently amended) [[A]] An orthodontic fixture having external threading, comprising~~[[,]]~~:

[[1/]] a first externally threaded Part part configured for insertion into a prepared site in the a jaw bone~~[[,]]~~ and

[[2/]] a second externally threaded part, to which pressure may be applied by means of configured to receive pressure applied by an internally threaded element, ~~when used in conjunction with an appliance supported by teeth or adjacent static fixtures wherein said orthodontic fixture is connected to an appliance supported by teeth or adjacent static fixtures and said second externally threaded part protrudes through said appliance.~~

2. (Withdrawn) A one piece implant for osseodistraction or orthodontic anchorage, having a threaded part for insertion into bone, with the characteristics of a dental implant for insertion into bone, at one end, and the characteristics of a machine screw at the other end, which is intended to protrude into the mouth, for the connection to appliances, or prostheses, for the distraction of bone or the orthodontic movement of teeth.

3. (Currently amended) A fixture as claimed in claim 1, ~~having two externally threaded parts, one which wherein said first externally threaded part is configured to be~~ inserted into a prepared site into the jaw bone, ~~the other which and wherein said second externally threaded part is configured to~~ protrude~~[[s]]~~ into ~~[[the]]~~ an oral cavity so that ~~[[it]]~~ said second externally threaded part may be acted upon by ~~[[an]]~~ said internally threaded element components.

4. (Currently amended) A fixture as claimed in claim 1, ~~having an wherein said second externally threaded part which is configured to~~ protrude~~[[s]]~~ into ~~[[the]]~~ an oral cavity, said second externally threaded part having a flattened aspect, such that ~~[[it]]~~ said second

externally threaded part may be acted upon either by [[an]] a member selected from the group consisting of: said internally threaded element component, or by cement on female components, [[or]] and clip-on female components, which wherein said member mates with said flattened aspect to prevent rotation of the member component.

5. (Currently amended) A fixture as claimed in claim 1, having comprising a smooth, non-threaded, alignment section at [[its]] an apex of the fixture, intended said alignment section being configured to guide [[the]] a transport segment of the jaw bone as the jaw bone is distracted and thereby prevent inappropriate movement.

6. (Currently amended) A fixture as claimed in claim 1, ~~which is provided with comprising a polished section, intended to act as~~ which forms a collar to which [[the]] a gingival cuff will approximate, said collar having a non-round cross-section to allow insertion of the fixture with an appropriately shaped socketed tool.

7. (Previously presented) A fixture as claimed in claim 1, wherein the fixture is designed for connection to prostheses, orthodontic appliances, or adjacent teeth or dental implants.

8. (Currently amended) A fixture as claimed in claim 1, wherein the fixture is designed for connection to orthodontic appliances, said fixture having within its body ~~an a square or rectangular aperture, which may be square or rectangular,~~ through which an orthodontic wire may be passed to facilitate connection of said fixture to adjacent teeth or appliances.

9. (Currently amended) A fixture as claimed in claim 1, having comprising:
a slightly tapered body[[,]] having deeply biting threads[[,]] on [[a]] said first externally threaded part, said first externally threaded part being adapted intended for insertion into [[the]] a jaw[[,]]; and

a metric machine thread[[ed]] on [[a]] said second externally threaded part, said second externally threaded part being configured intended to protrude through [[the]] a gingiva.

10-11. (Canceled)

12. (Withdrawn) A fixture range or system for Osseo distraction, or for orthodontic anchorage in a jaw, having available matched components, provided with fittings to facilitate the connection of arch wires, or the cementation of orthodontic components.

13. (Currently amended) A fixture as claimed in claim 1, having comprising a surface treatment intended adapted to encourage rapid osseointegration, wherein said surface treatment comprises:

plasma spray, etching, blasting, titanium dioxide, hydroxyl-apatite or other roughening processes, on only ~~[[the]]~~ a more superficial endosseous part of the fixture which is intended configured to contact ~~[[the]]~~ a bony cortex of ~~[[the]]~~ an intended site~~[[.]]~~; and

a smoother, ~~possibly~~ machined surface towards ~~[[the]]~~ an apical portion of the fixture.

14. (Currently amended) A fixture as claimed in claim 1, having comprising a ~~progressively rougher~~ surface of increasingly progressive roughness~~[[.]]~~ which is relatively smooth toward ~~[[the]]~~ an apex of the fixture, and which becomes relatively rougher~~[[.]]~~ and more attractive to bone growth towards ~~[[the]]~~ a coronal aspect of ~~[[that]]~~ a part of the fixture which is intended configured to contact ~~[[the]]~~ a bony cortex of ~~[[the]]~~ an intended site.

15. (Withdrawn) A range or system of components for Osseo distraction, or for orthodontic movement of teeth, provided with fittings to facilitate the connection of arch wires, or the cementation of orthodontic components, wherein said range or system of components is arranged to be used in conjunction with a fixture having an externally threaded intra oral part or a threaded and flattened intra oral part.